CHONG WEI KANG

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EDUCATION

Nanyang Technological University (NTU)   **Aug 2021 – May 2025**

Bachelor of Engineering in Computer Science & Bachelor of Business (Business Analytics)

- **CGPA Computer Science:** 4.71/5
- **CGPA Business:** 4.85/5
- **Dean's List AY21/22 Business**
- **Programming Coursework:** Data Structures and Algorithms, Database Systems, Object Oriented Design & Programming

WORK EXPERIENCE

Panasonic Research & Development (R&D) Centre Singapore   **Apr 2022 – Jul 2022**

Tech Business Analyst Intern

- Designed a custom web scraper package powered by Selenium in Python, automating the manual process of scraping data about 100 competitors' customer base and their key technical features into a CSV file
- Implemented a CNN Model to scrape logo images of competitors using TensorFlow (~80% accuracy) and Google Reverse Search API to extract list of names of companies
- Conducted metadata analysis to dynamically crawl webpages of varying content, achieving > 70% client extraction rate
- Performed NLP keyword extraction & filtering by constructing and comparing similarities of word vectors
- Proposed recommendations based on derived landscape through repeated cycles of data analysis

Private Part-Time Tutor   **Dec 2018 – Dec 2021**

- Conducted 1-on-1 math lessons for 4 Upper Secondary school students
- Coached and aided students to attain at least an A2 Grade in their O/N Levels

PROJECTS

IGoGreen

- Developed a recycling tracker web app to encourage more people to recycle by offering incentives
- Features include allowing users to input their recycling tally for the day and to accumulate points to claim rewards
- Built using React within 24 hours as part of NUS LifeHack 2022

Improving Your Life Expectancy

- Performed data analysis, cleaning, visualization and developed 3 models on a Kaggle dataset to identify ways to effectively increase the life expectancy of Singaporeans
- Ran a train test split of 80-20 and fitted the data into a linear regression, random forest regression and deep learning model using TensorFlow
- Obtained a minimum MSE of 3.30 for random forest regression and proposed various strategies to improve life expectancy

Hopes & Dreams

- Designed a profile page to document my aspirations and goals for the future in my Freshman Year
- Features include links to my first few web development projects
- Built using HTML & CSS within 24 hours as part of NUS Hack'N'Roll 2022

Odin Project

- Designed mini web projects such as a calculator and a sketchpad
- Features include keyboard and audio support for the calculator and a random color pencil for the sketchpad
- Built using HTML, CSS and JavaScript

CO-CURRICULAR ACTIVITIES

NTU Welfare Services Club   **August 2022 – Present**

Pre-Teens Club Member

- Volunteered to tutor needy Primary School children weekly for Mathematics and clarified students' doubts weekly
- Spearheaded and planned Life Skills Sessions to teach invaluable values to the children such as Teamwork, Communication

VJC Science Society   **Feb 2017 – Nov 2018**

Vice-Chairperson, VJC East Zone Science Carnival

- Ideated and fine-tuned more than 3 open-ended experiments for participants, reinforcing resource management skills and built confidence in public speaking
- Facilitated the event with a group of 5 to heighten interest in science among Secondary School students, building vital teamwork and cooperation within the group

TECHNICAL SKILLS

Programming Languages: C, Python, JavaScript, Java, HTML, CSS, SQL, R
Frameworks/Tools: React, NodeJS, Express, MongoDB, MySQL, Bootstrap, Git